

1893 1829
1848

ORIGINAL LOG BOOK OF THE "FISH HAWK"
UNITED STATES FISH COMMISSION
STATION NUMBERS
Numbers 1829 to 1848

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1829

Date, April 16 1892

Time of day, 2, 25 PM of tide, Flood

Locality, Muckpack Bay

Exact position,

North of Comfort SE 2 1/4 E 2 miles

Depth, 2 fms. 4 fms

Nature of bottom, Soft

Dredging instrument used, Austin dredge

Direction of drift, N 45 E; distance, 1/8 mile

Temperature of air, 54 therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1016.4 temp., 52

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, North; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U S S Fish Hawk

Service to which attached, U S F C

Name and rank of commanding officer, Robert Platt

Serial - 2684

Name and position of observer,

J. M. Lightham
Master

NOTES RELATING TO STATION NO. 1829

Sydney

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1830

Date, April 16 1893

Time of day, 2.35 Pm; of tide, Flood

Locality, Myack Bay

Exact position,

North by compass 88 1/2 E 2 7/8 miles

Depth, 3-1

Nature of bottom, Sticky

Dredging instrument used, Dredge

Direction of drift, NW; distance, 1/8 mile

Temperature of air, 54 therm. No.,

" of surface water, 54 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1016.4 temp., 54

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, North; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S.F.C. Ste Fish Hawk

Service to which attached, U.S.F.C.

Name and rank of commanding officer, Robert Platt

Lieut. U.S.N.

Name and position of observer,

Indenight
Mate

NOTES RELATING TO STATION NO. 1830

Nothing but dead shells
& one oyster

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1831

Date, April 16' 1893

Time of day, 2:46 PM; of tide, Flood

Locality, Mudjack Bay

Exact position,

New Richmond SE 46 3 1/4 miles

Depth, 3.2

Nature of bottom, Mud

Dredging instrument used, Dredge

Direction of drift, NW 1/2 N; distance, 1/2 mile

Temperature of air, 56 therm. No.,

" of surface water, 54 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.016.4 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, NW; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Hawk

Service to which attached, U.S.F.C.

Name and rank of commanding officer, Robert Platt

Lieut. U.S.N.

Name and position of observer,

J. M. Lightner
Master

NOTES RELATING TO STATION NO. 1801

A few clam & oysters

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

1802

Date,

April 16 1893

Time of day,

2.58

; of tide,

Hood

Locality,

Mobjack Bay

Exact position,

NW Re Comfort SE 46 3 1/4 miles

Depth,

2 - 4

Nature of bottom,

Hard

Dredging instrument used,

Oyster dredge

Direction of drift,

N 1/2 W

; distance,

1/8 miles

Temperature of air,

56

therm. No.,

"

of surface water,

56

"

"

at depth of fathoms,

"

"

at bottom,

"

Density at surface,

10144

temp.,

"

at depth of fathoms,

"

"

at bottom,

"

Number of salinometer,

Barometer reading,

30.24

State of sky,

belle

Direction of wind,

NW

; force,

3

Rain,

Direction of surface current,

; force,

"

of bottom

"

; force,

Name of vessel,

U.S. Fish Hawk

Service to which attached,

U.S. Fish

Name and rank of commanding officer,

Robert Platt

Lieut. - 26 8 2

Name and position of observer,

L. M. G. L. M.
M. M. M.

NOTES RELATING TO STATION NO. 1832

20 oysters + dead shells.

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1833

Date, April 16 1893

Time of day, 3.03 PM ; of tide, Flood

Locality, Mudjack Bay

Exact position,

New River mouth SE 1/2 E 4 miles

Depth, 2-1

Nature of bottom, Hard

Dredging instrument used, Dredge

Direction of drift, NW ; distance, 1/8 mile

Temperature of air, 56 therm. No.,

" of surface water, 57 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1015 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, NW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Hawk

Service to which attached, U.S.F.C.

Name and rank of commanding officer, Robert Platt

Lieut. U.S.N.

Name and position of observer,

J. M. Wright
Master

NOTES RELATING TO STATION NO. 1803

3 systems

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1734

Date, April 16 1843

Time of day, 3.12 P.M.; of tide, Flood

Locality, Mobjack Bay

Exact position

Now on Chart SE $1/4$ E $4 1/4$ miles

Depth, 3 fms

Nature of bottom, Hard

Dredging instrument used, Dredge

Direction of drift, North; distance, 1/2 mile

Temperature of air, 56

therm. No.,

" of surface water, 57

" at depth of fathoms,

" at bottom,

Density at surface, 1.015

temp.,

" at depth of fathoms,

" at bottom,

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, North; force, 3

Rain,

Direction of surface current,; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Hawk

Service to which attached, U.S. F.C.

Name and rank of commanding officer, Robert Plate

June 26 54

Name and position of observer,

Robert Plate

NOTES RELATING TO STATION NO. 1834

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1836

Date, April 16th 1893

Time of day, 3.23 PM ; of tide, Flood

Locality, Mobjacke bay

Exact position

New Point SE $\frac{1}{8}$ E $4\frac{1}{8}$ miles

Depth, 2, 3

Nature of bottom, soft

Dredging instrument used, Dredge

Direction of drift, N E N ; distance, $\frac{1}{8}$ mile

Temperature of air, 54 therm. No.,

" of surface water, 57 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.015 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.2

State of sky, clear

Direction of wind, N E ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Hawk

Service to which attached, U.S. Fish

Name and rank of commanding officer, Robert Platt

Lieut. U.S.N.

Name and position of observer,

Polunghon
Master

NOTES RELATING TO STATION NO. 1185

dry oysters

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1836*

Date, *April 16 1883*

Time of day, *3.30 Pm* ; of tide, *Flood*

Locality, *Mosjacks Bay*

Exact position,

Near Pt Comfort S $88\frac{1}{2}$ E $4\frac{7}{8}$ miles

Depth, *2.3*

Nature of bottom, *Sps*

Dredging instrument used, *Oyster dredge*

Direction of drift, *N $\frac{1}{2}$ W* ; distance, *$\frac{1}{8}$ miles*

Temperature of air, *59* therm. No.,

" of surface water, *57* "

" at depth of fathoms, "

" at bottom, "

Density at surface, *1.0185* temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, *30.24*

State of sky, *clear*

Direction of wind, *west* ; force, *3*

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, *US 76 Ste Fish Hawk*

Service to which attached, *US 76*

Name and rank of commanding officer, *Robert Platt*

Lieut USN

Name and position of observer,

John H. ...
Master

NOTES RELATING TO STATION NO. 1836

10. Systers a few clam shells

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1837*
 Date. *April 24 1893*
 Time of day. *11.58 Am*: of tide. *Ebb*
 Locality, *Lehighaunk Bay*
 Exact position, *Cape Henry Light House*
8 X 8 1 1/2 miles
 Depth, *71 fms*
 Nature of bottom. *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift. *N X W*: distance, *1/4 mile*
 Temperature of air, *53* therm. No.,
 " of surface water, *56* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1.017* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.32*
 State of sky, *Clear*
 Direction of wind, *N X E*; force, *3*
 Rain.
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U S F C Ste Fish Hawk*
 Service to which attached, *U S F C*
 Name and rank of commanding officer, *Robert Platt*
Lieut U S N
 Name and position of observer,
John Loughton
Master

NOTES RELATING TO STATION NO. 1837

Skate Black Starfish small
Gorgonias one small squid
Shrimp

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1838*
 Date, *April 24* 1893
 Time of day, *12.15 PM*; of tide, *Ebb*
 Locality, *Chesapeake Bay*
 Exact position, *Cape Henry to US*
SS E 1/4 E 1 1/2 miles
 Depth, *10.3*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *N x W*; distance, *1/4 miles*
 Temperature of air, *58* therm. No.,
 " of surface water, *56* ..
 " at depth of fathoms, ..
 " at bottom, ..
 Density at surface, *1016.8* temp.,
 " at depth of fathoms, ..
 " at bottom, ..
 Number of salinometer,
 Barometer reading, *30.33*
 State of sky, *clear*
 Direction of wind, *N x E*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *US Fish Hawk*
 Service to which attached, *US*
 Name and rank of commanding officer, *Robert Platt*
Lieut USN
 Name and position of observer,
William H. Mott
Mate USN

NOTES RELATING TO STATION NO. 1838

Skate stop fish Haik
1 sea cucumber

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1839

Date, April 24th 1893

Time of day, 12.48 Pm ; of tide, Ebb

Locality, Chesapeake Bay

Exact position 1/2 mile from light house

S.W. 2 miles

Depth, 11

Nature of bottom, Hard

Dredging instrument used,

Direction of drift, S.W. ; distance, 1/4 mile

Temperature of air, 60 therm. No.,

" of surface water, 56 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0166 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.32

State of sky, Clear

Direction of wind, East ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Hawk

Service to which attached, U.S. Fish

Name and rank of commanding officer, Robert Platt

Lieut. U.S.N.

Name and position of observer, J. M. Thompson

Master U.S.N.

NOTES RELATING TO STATION NO. 1839

Water haul from town
badly. a few drills

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 18440

Date, April 24th 1893

Time of day, 1.32 P.M. of tide, Flood

Locality, Chesapeake Bay

Exact position, Cape Henry Lt. No.

8 x W 3/4 W 2 miles

Depth, 11.3

Nature of bottom, Hard

Dredging instrument used, Beam Trawl

Direction of drift, NE 1/2 E; distance, 1/4 mile

Temperature of air, 59

therm. No.,

" of surface water, 56

" at depth of fathoms,

" at bottom,

Density at surface, 1.016.6

temp.,

" at depth of fathoms,

" at bottom,

Number of salinometer,

Barometer reading, 30.32

State of sky, Clear

Direction of wind, East; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force.

Name of vessel, U.S. Fish Hawk

Service to which attached, U.S.F.C.

Name and rank of commanding officer, Robert Platt

Lieut. U.S.N.

Name and position of observer,

J. M. Linton
Master

NOTES RELATING TO STATION NO. 1826 D

Skate Hairs into Concho
Squid & Skate eggs found

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. 1841
 Date, April 24th 1893
 Time of day, 10⁵⁸ P.M. : of tide, Flood
 Locality, Chesapeake Bay
 Exact position, Cape Henry at 140
 S. & 1 1/2 miles
 Depth, 12
 Nature of bottom, Sticky
 Dredging instrument used, Beam trawl
 Direction of drift, N. by E. : distance, 74 mile
 Temperature of air, 54 therm. No.,
 " of surface water, 56
 " at depth of fathoms,
 " at bottom,
 Density at surface, 1016.6 temp.,
 " at depth of fathoms,
 " at bottom,
 Number of salinometer,
 Barometer reading, 30.32
 State of sky, Clear
 Direction of wind, East ; force, 3
 Rain,
 Direction of surface current, : force,
 " of bottom " : force,
 Name of vessel, U.S. Fish Hawk
 Service to which attached, U.S. Fish
 Name and rank of commanding officer, Robert Platt
 Lieut. U.S.N.
 Name and position of observer,
 J. M. L. Fenton
 J. M. L. Fenton

NOTES RELATING TO STATION NO. 104

State Starfish shrimp
skate eggs Hair grass

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. *184 D*
 Date, *April 24th 1893*
 Time of day, *2.28 Pm* ; of tide, *High*
 Locality, *Chesapeake Bay*
 Exact position, *Cape Henry St 140*
SE 1/2 S 1 mile
 Depth, *11*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *E & E* ; distance, *1/4 mile*
 Temperature of air, *54* therm. No.,
 " of surface water, *56* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1.016, 6* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer.
 Barometer reading, *30.82*
 State of sky, *Clear*
 Direction of wind, *East* ; force, *3*
 Rain,
 Direction of surface current, : force,
 " of bottom " : force,
 Name of vessel, *U S F C Ste Fish Hawk*
 Service to which attached, *U S F C*
 Name and rank of commanding officer, *Robert Hall*
Lieut - U S N
 Name and position of observer, *John H. ...*
Master

NOTES RELATING TO STATION NO. 1842

Skate Waik. *glaufrons* from
Concho shrimp

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1843*
 Date, *April 24th 1893*
 Time of day, *2.46* P.m. of tide, *Flood*
 Locality, *Chesapeake Bay*
 Exact position, *Cape Henry Lt. No. 3846 2 miles*
 Depth, *8*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *NW 1/2 N*; distance, *1/4 mile*
 Temperature of air, *54* therm. No.,
 " of surface water, *56* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1017.2* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.28*
 State of sky, *Clear*
 Direction of wind, *East*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Capt. U.S.N.
 Name and position of observer, *Frederick M. Mather*

NOTES RELATING TO STATION NO. 1843

West Hill Hermit Crab

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1844

Date, April 24' 1893

Time of day, 3/2 Pm ; of tide, Flood

Locality,

Exact position. Lake Huron to 140

E S E 4 miles

Depth, 6-4

Nature of bottom, Sand

Dredging instrument used. Beam Trawl

Direction of drift, NW : distance, 1/4 mile

Temperature of air, 54 therm. No.;

" of surface water, 56 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1017.2 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.26

State of sky, Clear

Direction of wind, SE ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U S F C Ste Fish Hawk

Service to which attached, U S F C

Name and rank of commanding officer, Robert Platt

Lieut-2d S N

Name and position of observer,

Johnston
Mate U S N

NOTES RELATING TO STATION NO. 1844

Flounder Starfish Hairs
Dove shrimp

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1845

Date, April 24 '1893

Time of day, 3.24 Pm; of tide, High

Locality, Chesapeake Bay

Exact position, Cape Henry St No

ES 4 1/2 miles

Depth, 6

Nature of bottom, Muds

Dredging instrument used, Beam Trawl

Direction of drift, NW ; distance, 1/4 mile

Temperature of air, 54 therm. No.,

" of surface water, 56 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1017.2 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.26

State of sky, Clear

Direction of wind, SE ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, 26876 St Fish Hawk

Service to which attached, 26876

Name and rank of commanding officer, Robert Platt

Ensign - 26876

Name and position of observer,

John H. Smith
Master

NOTES RELATING TO STATION NO. 1845

Skate Naish Grass Shrimp
Star fish

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1846

Date, April 25th 1893

Time of day, 2:50 Pm ; of tide, Flood

Locality, Chesapeake Bay

Exact position, Liberty Island Light SE 1/2 mile

Old Plantation Flat to NW SE 1/4 mile

Depth, 15

Nature of bottom, Sand

Dredging instrument used, Beam Trawl

Direction of drift, S E ; distance, 1/4 mile

Temperature of air, 60 therm. No.,

" of surface water, 55 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.019 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Cloudy

Direction of wind, S W ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom, " ; force,

Name of vessel, U.S.F.C. Fish Hawk

Service to which attached, U.S.F.C.

Name and rank of commanding officer, Robert Plate

Plate - 20 f m

Name and position of observer,

Plate - 20 f m
Plate - 20 f m

NOTES RELATING TO STATION NO. 1840

One dozen Small Rocks

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *18117*
 Date. *April 27 93*
 Time of day, *12/9 PM* : of tide, *Ebb*
 Locality, *Chesapeake Bay*
 Exact position, *Cherry Point E 86 2 miles*
Plantation St N S E 4 8 3 miles
 Depth, *17*
 Nature of bottom, *Soft*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *SW* ; distance, *1/4 mile*
 Temperature of air, *59* therm. No.,
 " of surface water, *54* ..
 " at depth of fathoms, ..
 " at bottom, "
 Density at surface, *1017.2* temp.,
 " at depth of fathoms, "
 " at bottom, ..
 Number of salinometer,
 Barometer reading, *30.10*
 State of sky, *Cloudy*
 Direction of wind, *SW* ; force, *2*
 Rain, *about 10 minutes*
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Plater*
Lieut. U.S.N.
 Name and position of observer,

NOTES RELATING TO STATION NO. (847)

Starfish Haile shrimp
Hermit crabs conch
Sea Robin.

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 1848

Date, April 27 - 93

Time of day, 1:34 PM : of tide, Ebb

Locality, Chesapeake Bay

Exact position, New River Camp No 40

N 30r 8 1/4 miles

Depth, 6-3

Nature of bottom, Sticky

Dredging instrument used, Beam Trawl

Direction of drift, SW x S : distance, 1/4 mile

Temperature of air, 59 therm. No.,

" of surface water, 55 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0142 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.10

State of sky, Cloudy

Direction of wind, South ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, U.S. Fish Hawk

Service to which attached, U.S. Fish

Name and rank of commanding officer, Robert Platt

Lieut. U.S.N.

Name and position of observer,

J. M. Smith
Master

NOTES RELATING TO STATION NO. 1848

25
Harporhynchus elongatus Shrimp
2 menhaden Cracker

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. *1849*
 Date, _____
 Time of day, _____ ; of tide, _____
 Locality, _____
 Exact position, _____
 Depth, _____
 Nature of bottom, _____
 Dredging instrument used, _____
 Direction of drift, _____ ; distance, _____
 Temperature of air, _____ therm. No., _____
 " of surface water, _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Density at surface, _____ temp., _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Number of salinometer, _____
 Barometer reading, _____
 State of sky, _____
 Direction of wind, _____ ; force _____
 Rain, _____
 Direction of surface current, _____ ; force, _____
 " of bottom " _____ ; force, _____
 Name of vessel, _____
 Service to which attached, _____
 Name and rank of commanding officer, _____
 Name and position of observer, _____

NOTES RELATING TO STATION NO. _____

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No. _____
 Date, _____
 Time of day, _____ ; of tide, _____
 Locality, _____
 Exact position, _____

 Depth, _____
 Nature of bottom, _____
 Dredging instrument used, _____
 Direction of drift, _____ ; distance, _____
 Temperature of air, _____ therm. No., _____
 " of surface water, _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Density at surface, _____ temp., _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Number of salinometer, _____
 Barometer reading, _____
 State of sky, _____
 Direction of wind, _____ ; force, _____
 Rain, _____
 Direction of surface current, _____ ; force, _____
 " of bottom " _____ ; force, _____
 Name of vessel, _____
 Service to which attached, _____
 Name and rank of commanding officer, _____

 Name and position of observer, _____

NOTES RELATING TO STATION NO.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, : of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, : distance,

Temperature of air, therm. No.,

" of surface water, ..

" at depth of fathoms, ..

" at bottom, ..

Density at surface, temp.,

" at depth of fathoms, ..

" at bottom, ..

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO.

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No.
 Date,
 Time of day, ; of tide,
 Locality,
 Exact position,
 Depth,
 Nature of bottom,
 Dredging instrument used,
 Direction of drift, ; distance,
 Temperature of air, therm. No.,
 " of surface water, "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading,
 State of sky,
 Direction of wind, ; force,
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel,
 Service to which attached,
 Name and rank of commanding officer,
 Name and position of observer,

NOTES RELATING TO STATION NO.

RECORD OF DREDGING.

TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

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Direction of drift, ; distance,

Temperature of air, therm. No.,

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" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

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" at bottom, "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " : force.

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Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

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 Exact position, _____

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 " of surface water, _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Density at surface, _____ temp., _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Number of salinometer, _____
 Barometer reading, _____
 State of sky, _____
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NOTES RELATING TO STATION NO.

Wolf Trap NW 1/4 1/4